# WEST Search History

DATE:  Wednesday, January 29, 2003

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| *DB=USPT,PGPB,JPAB,EPAB; PLUR=YES; OP=OR* | | | |
| L15 | L14 and stomach | 16 | L15 |
| L14 | L13 and (ser or gly or octanoyl or phe) | 143 | L14 |
| L13 | L11 and ghrh | 193 | L13 |
| L12 | L11 abd ghrh | 7332 | L12 |
| L11 | "growth hormone" and antagonist$ | 4588 | L11 |
| L10 | gssf$ | 5 | L10 |
| L9 | gssflspe$ | 0 | L9 |
| L8 | gssflspe | 0 | L8 |
| L7 | gssf | 2 | L7 |
| L6 | L5gssf | 0 | L6 |
| L5 | ghrelin$ | 20 | L5 |
| L4 | ghrelin? | 2 | L4 |
| L3 | ghrelin | 20 | L3 |
| L2 | L1 | 0 | L2 |
| *DB=USPT; PLUR=YES; OP=OR* | | | |
| L1 | ghrelin$ | 0 | L1 |

END OF SEARCH HISTORY

FILE 'HOME' ENTERED AT 10:59:44 ON 29 JAN 2003

=> file registry
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST                                 0.21          0.21

FILE 'REGISTRY' ENTERED AT 10:59:58 ON 29 JAN 2003
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   28 JAN 2003   HIGHEST RN 482573-45-5
DICTIONARY FILE UPDATES:  28 JAN 2003   HIGHEST RN 482573-45-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> e gssf/sqep
E1          1        GSSEVENCKV/SQEP
E2          1        GSSEVPQNNPDLQAHAGK/SQEP
E3          3 --> GSSF/SQEP
E4          1        GSSFFVATGFHGLHVLIGTTFLFICFLRLITFHFSNNHHFGFEAAAWYWHFVDVVWLFLY
                     ICICWWGS/SQEP
E5          1        GSSFFYRTLYFSLLSRQKLYDLSMSEEFQESEVIFSDESFTRKDNKNSHNNENYERKSTE
                     KDKISSPVRIPSRTTIRYTEEEGEMTPPHVIIEKRRTEAQMAFSFCTLKGRDLSRHRNTV
                     LRMTAFWK/SQEP
E6          1        GSSFIILCHILYSAFSTNKIQHLKQICNEKYFVLGKNVVHQLSVTLEDLYNGATRKLALQ
                     KNVICDKCEG/SQEP
E7          2        GSSFK/SQEP
E8          2        GSSFL/SQEP
E9          1        GSSFLGGSPSVAQAGVHLPDHGSLQ'AAA'DKSPSVQKMSKWIGCSGACL'AAA'SQLLR
                     RLRCQGRLSP'AAA'GQACSEP'AAA'SGRCTPAWATEGDPPKKLLPYTTDS/SQEP
E10         1        GSSFLK/SQEP
E11         1        GSSFLS/SQEP

```
E12              1        GSSFLSK/SQEP

=> s gssf/sqep
                 3 GSSF/SQEP
             54094 SQL=4
L1               3 GSSF/SQEP
                     (GSSF/SQEP AND SQL=4)

=> e gssflspe /sqep
E1               1        GSSFLSK/SQEP
E2               9        GSSFLSP/SQEP
E3               2 --> GSSFLSPE/SQEP
E4               1        GSSFLSPEAKLQPR/SQEP
E5               6        GSSFLSPEH/SQEP
E6               4        GSSFLSPEHQ/SQEP
E7               1        GSSFLSPEHQELQRKEAKKPSGRLKPRTLEGQFDPEVGSQAEGAEDELEIRFNAPFNIGI
                         KLAGAQSLQHGQTLGK/SQEP
E8               1        GSSFLSPEHQK/SQEP
E9               1        GSSFLSPEHQKAQQR/SQEP
E10              1        GSSFLSPEHQKAQQRKES/SQEP
E11              9        GSSFLSPEHQKAQQRKESKKPPAKLQPR/SQEP
E12              1        GSSFLSPEHQKAQQRKESKKPPAKLQPRALEGWLHPEDRGQAEEAEEELEIRFNAPFDVG
                         IKLSGAQYQQHGRALGKFLQDILWEEVKEAPANK/SQEP

=>  s gssflspe /sqep
                 2 GSSFLSPE/SQEP
             43659 SQL=8
L2               2 GSSFLSPE /SQEP
                     (GSSFLSPE/SQEP AND SQL=8)

=> e gssfaklqpr /sqep
E1               1        GSSEVPQNNPDLQAHAGK/SQEP
E2               3        GSSF/SQEP
E3               0 --> GSSFAKLQPR/SQEP
E4               1        GSSFFVATGFHGLHVLIGTTFLFICFLRLITFHFSNNHHFGFEAAAWYWHFVDVVWLFLY
                         ICICWWGS/SQEP
E5               1        GSSFFYRTLYFSLLSRQKLYDLSMSEEFQESEVIFSDESFTRKDNKNSHNNENYERKSTE
                         KDKISSPVRIPSRTTIRYTEEEGEMTPPHVIIEKRRTEAQMAFSFCTLKGRDLSRHRNTV
                         LRMTAFWK/SQEP
E6               1        GSSFIILCHILYSAFSTNKIQHLKQICNEKYFVLGKNVVHQLSVTLEDLYNGATRKLALQ
                         KNVICDKCEG/SQEP
E7               2        GSSFK/SQEP
E8               2        GSSFL/SQEP
E9               1        GSSFLGGSPSVAQAGVHLPDHGSLQ'AAA'DKSPSVQKMSKWIGCSGACL'AAA'SQLLR
                         RLRCQGRLSP'AAA'GQACSEP'AAA'SGRCTPAWATEGDPPKKLLPYTTDS/SQEP
E10              1        GSSFLK/SQEP
E11              1        GSSFLS/SQEP
E12              1        GSSFLSK/SQEP

=> e gssflspeaklqpr/sqep
E1               9        GSSFLSP/SQEP
E2               2        GSSFLSPE/SQEP
E3               1 --> GSSFLSPEAKLQPR/SQEP
E4               6        GSSFLSPEH/SQEP
E5               4        GSSFLSPEHQ/SQEP
E6               1        GSSFLSPEHQELQRKEAKKPSGRLKPRTLEGQFDPEVGSQAEGAEDELEIRFNAPFNIGI
                         KLAGAQSLQHGQTLGK/SQEP
E7               1        GSSFLSPEHQK/SQEP
E8               1        GSSFLSPEHQKAQQR/SQEP
E9               1        GSSFLSPEHQKAQQRKES/SQEP
E10              9        GSSFLSPEHQKAQQRKESKKPPAKLQPR/SQEP
E11              1        GSSFLSPEHQKAQQRKESKKPPAKLQPRALEGWLHPEDRGQAEEAEEELEIRFNAPFDVG
                         IKLSGAQYQQHGRALGKFLQDILWEEVKEAPANK/SQEP
E12              1        GSSFLSPEHQKAQQRKESKKPPAKLQPRY/SQEP
```

```
=> s gssflspeaklqpr/sqep
              1 GSSFLSPEAKLQPR/SQEP
          35789 SQL=14
L3            1 GSSFLSPEAKLQPR/SQEP
                (GSSFLSPEAKLQPR/SQEP AND SQL=14)

=> file ca
COST IN U.S. DOLLARS                       SINCE FILE      TOTAL
                                             ENTRY        SESSION
FULL ESTIMATED COST                          22.10         22.31

FILE 'CA' ENTERED AT 11:04:31 ON 29 JAN 2003
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FILE COVERS 1907 - 23 Jan 2003 VOL 138 ISS 5
FILE LAST UPDATED: 23 Jan 2003   (20030123/ED)

   This file contains CAS Registry Numbers for easy and accurate
   substance identification.


=> s l1
L4            8 L1

=> s l2 not l1
              5 L2
              8 L1
L5            0 L2 NOT L1

=> s l3 not l1
              2 L3
              8 L1
L6            0 L3 NOT L1

=> d l4 ti py 1-8

L4    ANSWER 1 OF 8   CA   COPYRIGHT 2003 ACS
TI    Short ghrelin peptides neither displace ghrelin binding in vitro nor
      stimulate GH release in vivo
PY    2002

L4    ANSWER 2 OF 8   CA   COPYRIGHT 2003 ACS
TI    Ghrelin antagonist peptides
PY    2002
      2002
      2002

L4    ANSWER 3 OF 8   CA   COPYRIGHT 2003 ACS
TI    Ghrelin analogs for use in screening compounds with growth hormone
      secretagogue receptor-activating ability and for inducing growth hormone
      secretion
PY    2001
```

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L4    ANSWER 4 OF 8   CA   COPYRIGHT 2003 ACS
TI    Structure-Activity Relationship of Ghrelin: Pharmacological Study of
      Ghrelin Peptides
PY    2001


L4    ANSWER 5 OF 8   CA   COPYRIGHT 2003 ACS
TI    Structural Similarity of Ghrelin Derivatives to Peptidyl Growth Hormone
      Secretagogues
PY    2001


L4    ANSWER 6 OF 8   CA   COPYRIGHT 2003 ACS
TI    Structure-activity relationships of ghrelin: endogenous growth hormone
      secretagogue
PY    2001


L4    ANSWER 7 OF 8   CA   COPYRIGHT 2003 ACS
TI    Novel ghrelins, their encoding DNA sequences, and their use as
      therapeutics
PY    2001
      2002
      2002


L4    ANSWER 8 OF 8   CA   COPYRIGHT 2003 ACS
TI    Structure-Function Studies on the New Growth Hormone-Releasing Peptide,
      Ghrelin: Minimal Sequence of Ghrelin Necessary for Activation of Growth
      Hormone Secretagogue Receptor 1a
PY    2000                             I have


=> d bib 14 1-7

L4    ANSWER 1 OF 8   CA   COPYRIGHT 2003 ACS
AN    137:73541  CA
TI    Short ghrelin peptides neither displace ghrelin binding in vitro nor
      stimulate GH release in vivo
AU    Torsello, Antonio; Ghe, Corrado; Bresciani, Elena; Catapano, Filomena;
      Ghigo, Ezio; Deghenghi, Romano; Locatelli, Vittorio; Muccioli, Giampiero
CS    Department of Experimental and Environmental Medicine and Biotechnologies,
      University of Milano-Bicocca, Milan, Italy
SO    Endocrinology (2002), 143(5), 1968-1971
      CODEN: ENDOAO; ISSN: 0013-7227
PB    Endocrine Society
DT    Journal
LA    English
RE.CNT  23     THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT


L4    ANSWER 2 OF 8   CA   COPYRIGHT 2003 ACS
AN    136:129068  CA
TI    Ghrelin antagonist peptides
IN    Deghenghi, Romano
PA    Zentaris A.-G., Germany
SO    PCT Int. Appl., 9 pp.
      CODEN: PIXXD2
DT    Patent
LA    English
FAN.CNT 1
      PATENT NO.         KIND   DATE          APPLICATION NO.   DATE
      ---------------    ----   --------      ----------------  --------
PI    WO 2002008250      A2     20020131      WO 2001-EP7929    20010710
      WO 2002008250      A3     20020822
         W:  AU, BG, BR, BY, CA, CN, CO, CZ, EE, GE, HR, HU, ID, IL, IN, IS,
             JP, KG, KR, KZ, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK,
             TR, UA, UZ, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
```

     US 2002187938    A1    20021212        US 2001-902556    20010710
PRAI US 2000-220178P    P    20000724
OS    MARPAT 136:129068


L4    ANSWER 3 OF 8   CA   COPYRIGHT 2003 ACS
AN    136:32165   CA
TI    Ghrelin analogs for use in screening compounds with growth hormone
      secretagogue receptor-activating ability and for inducing growth hormone
      secretion
IN    Bednarek, Maria
PA    Merck & Co., Inc., USA
SO    PCT Int. Appl., 37 pp.
      CODEN: PIXXD2
DT    Patent
LA    English
FAN.CNT 1
      PATENT NO.        KIND   DATE          APPLICATION NO.   DATE
      ---------------   ----   --------      ---------------   --------
PI    WO 2001092292     A2     20011206      WO 2001-US17026   20010525
         W:  CA, JP, US
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE, TR
PRAI US 2000-207920P    P    20000530
OS    MARPAT 136:32165


L4    ANSWER 4 OF 8   CA   COPYRIGHT 2003 ACS
AN    135:366876   CA
TI    Structure-Activity Relationship of Ghrelin: Pharmacological Study of
      Ghrelin Peptides
AU    Matsumoto, Masaru; Hosoda, Hiroshi; Kitajima, Yasuo; Morozumi, Naomi;
      Minamitake, Yoshiharu; Tanaka, Shoji; Matsuo, Hisayuki; Kojima, Masayasu;
      Hayashi, Yujiro; Kangawa, Kenji
CS    Suntory Institute for Medicinal Research & Development, Akaiwa,
      Chiyoda-machi, Ohra-gun, Gunma, 370-0503, Japan
SO    Biochemical and Biophysical Research Communications (2001), 287(1),
      142-146
      CODEN: BBRCA9; ISSN: 0006-291X
PB    Academic Press
DT    Journal
LA    English
RE.CNT  10    THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


L4    ANSWER 5 OF 8   CA   COPYRIGHT 2003 ACS
AN    135:175617   CA
TI    Structural Similarity of Ghrelin Derivatives to Peptidyl Growth Hormone
      Secretagogues
AU    Matsumoto, Masaru; Kitajima, Yasuo; Iwanami, Tatsuya; Hayashi, Yujiro;
      Tanaka, Shoji; Minamitake, Yoshiharu; Hosoda, Hiroshi; Kojima, Masayasu;
      Matsuo, Hisayuki; Kangawa, Kenji
CS    Suntory Institute for Medicinal Research & Development, Akaiwa,
      Chiyuoda-machi, Ohra-gun, Gunma, 370-0503, Japan
SO    Biochemical and Biophysical Research Communications (2001), 284(3),
      655-659
      CODEN: BBRCA9; ISSN: 0006-291X
PB    Academic Press
DT    Journal
LA    English
RE.CNT  12    THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


L4    ANSWER 6 OF 8   CA   COPYRIGHT 2003 ACS
AN    135:602   CA

TI    Structure-activity relationships of ghrelin: endogenous growth hormone
      secretagogue
AU    Matsumoto, Masaru; Kitajima, Yasuo; Iwanami, Tatsuya; Morozumi, Naomi;
      Hayashi, Yujiro; Tanaka, Shoji; Minamitake, Yoshiharu; Hosoda, Hiroshi;
      Kojima, Masayasu; Matsuo, Hisayuki; Kangawa, Kenji
CS    Institute for Medicinal R&D, Suntory Limited, Gunma, 370-0503, Japan
SO    Peptide Science (2001), Volume Date 2000, 37th, 101-104
      CODEN: PSCIFQ; ISSN: 1344-7661
PB    Japanese Peptide Society
DT    Journal
LA    English
RE.CNT  5       THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT


L4    ANSWER 7 OF 8   CA   COPYRIGHT 2003 ACS
AN    134:142304   CA
TI    Novel ghrelins, their encoding DNA sequences, and their use as
      therapeutics
IN    Kangawa, Kenji; Kojima, Masayasu; Hosoda, Hiroshi; Matsuo, Hisayuki;
      Minamitake, Yoshiharu
PA    Japan
SO    PCT Int. Appl., 210 pp.
      CODEN: PIXXD2
DT    Patent
LA    Japanese
FAN.CNT 1
         PATENT NO.          KIND  DATE            APPLICATION NO.   DATE
         --------------      ----  --------        ----------------  --------
PI    WO 2001007475       A1    20010201       WO 2000-JP4907    20000724
         W:  AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CR, CU,
             CZ, DM, DZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ,
             LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU,
             SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, YU, ZA, ZM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
      BR 2000012688       A     20020416       BR 2000-12688     20000724
      EP 1197496          A1    20020417       EP 2000-946453    20000724
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
PRAI JP 1999-210002       A     19990723
     JP 1999-338841       A     19991129
     JP 2000-126623       A     20000426
     WO 2000-JP4907       W     20000724
RE.CNT  11      THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                            ENTRY           SESSION
FULL ESTIMATED COST                         15.60           37.91

STN INTERNATIONAL LOGOFF AT 11:06:28 ON 29 JAN 2003